2020 INTERNAL TRIPS:

The 2020 internal travel patterns were estimated using the same procedure as the base year travel patterns. Socio-economic data projected to the year 2020 was used to determine the future year patterns. The data was provided by the Planning Departments of Rockingham and Hamlet. The trip productions and attractions were again distributed using the same gravity model. The trip generation rates were adjusted using a composite factor to reflect future growth. See below for calculations. The internal data estimates are in Table A-1b. The employment estimates are in Table A-5b.

Travel Model Input Variables

TRIP	PERCENTA	AGES	BY	PUF	POSE
I	nternal	of	Tota	al	87%
H	BW				23%
0	HB				47%
N	HB				30%

YEAR	PERSONS DWELLING	PERSONS VEHICI	
1994 2020	2.40 2.20	1.42 1.15	_

INCREASE FOR AVE. 1994 COMPOSITE AVERAGE 1994

= X
GENERATION RATES TRIP RATE FACTOR TRIP RATE

EXAMPLE:

INCREASE FOR GENERATION RATES = $(8.12 \times 1.12) - 8.12 = 0.970$ (use 0.90)

Trip Generation Rates								
YEAR	EXCELLENT	ABOVE AVERAGE	AVERAGE	BELOW AVERAGE	POOR	OVERALL AVERAGE		
1994	12.00	10.00	9.50	7.00	6.00	8.12 *		
INCREASE	0.90	0.90	0.90	0.90	0.90			
2020	12.90	10.90	10.40	7.90	6.90	9.04 *		

^{*} Calculated from the IDS computer program